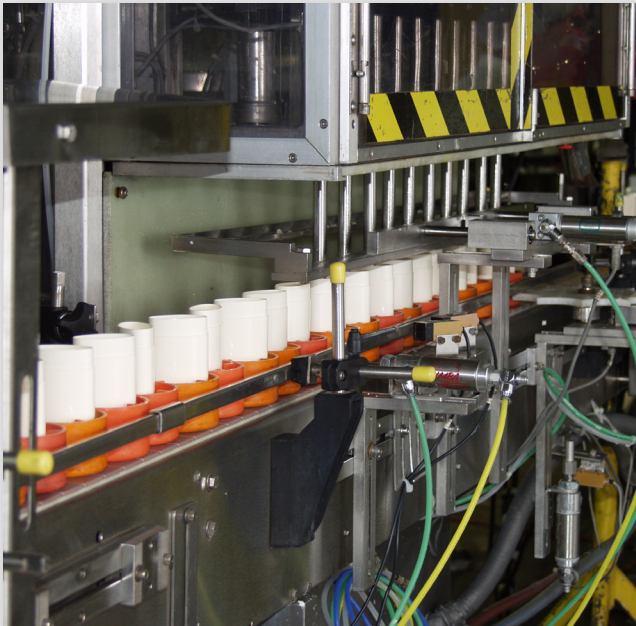


# Manufacturing Software Solutions





# Real-time Manufacturing Excellence

Manufacturers today are pressured to increase production, lower costs, reduce downtime and improve overall quality. Operational Excellence introduces the use of lean manufacturing solutions to achieve overall productivity and plant asset utilization.



## Operational Efficiency - Productivity - Quality

Productivity Analytics™ continuously calculates and delivers real-time OEE and other important KPIs to anyone in the organization. Improve quality and overall productivity with real-time delivery of key metrics, from any production and business system. Standard and ad-hoc reports provide instant causes of downtime, giving immediate recommendations for improvements.

- Improve Quality and Reduce Equipment Downtime
- Quickly Identify Performance Issues and Take Action
- OEE & Executive Dashboards with Real-time Analytics
- Standard OEE and Lean Manufacturing Reports

## Mission Critical HMI/SCADA

Well-supervised manufacturing operations depend on real-time HMI and SCADA systems to deliver scalable mission critical performance. Advanced alarm management and stunning 2D and 3D graphics help integrate information from a wide variety of data sources. Esri, Google, Bing® maps and satellite imaging can be combined with real-time information to create powerful GEO SCADA solutions. Users gain access to information, from anywhere, at any time and on any platform using the WebHMI browser-based solution.

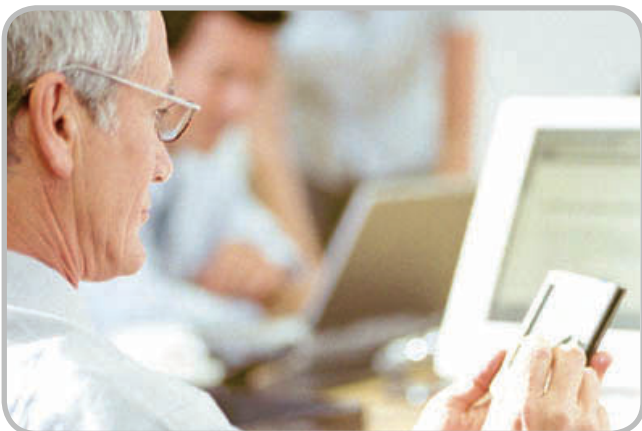
- Rich Visualization for 2D and 3D HMI/SCADA
- Scalable Alarming, Trending and Data Historian
- OPC, OPC UA, SNMP, Web Services Compliant
- Redundant Solutions, Easy to Engineer and Deploy
- Windows Server 2012 and Windows 7 Compliant



## Engineering and Configuration Tools

Reduce application support and development with Web-enabled Workbench. Over the Web or from your desktop, configure, test and quickly deploy advanced SCADA and improvement programs. The integrated workbench project management capability helps to create ZERO CODE configuration of all system functions. Scale applications from an individual machine to a complete production line to an entire plant.

- Reduce Engineering Costs
- Web Configuration of all Systems Functions
- Extensive Project Management and Deployment
- S95 Asset Configuration and Navigation
- Simple to Create Ad Hoc and Scheduled Reporting





## Real-time Collaboration Portals

Drive quality initiatives and streamline operations with **PortalWorX™** and Microsoft SharePoint®. Deliver Operational Efficiency KPIs and metrics from the shop floor to the board room using any Silverlight®-enabled Web browser. A comprehensive set of charting, graphics, trending, reporting and alerting Web Parts reduce engineering costs. Combine the ICONICS Web Parts with other Microsoft and third-party Web Parts to create stunning collaboration portals.

## Operational Excellence through Analytics

Accurately visualize, report and analyze plant metrics and KPIs such as OEE, Cycle Time, TAKT time and more. Establish manufacturing benchmarks with real-time data aggregation, powerful data mining and connectivity. Monitor quality and reduce scrap, machine errors, overall downtime and energy consumption with **Productivity Analytics**, **Energy AnalytiX®** and **Quality AnalytiX**.

## Universal Connectivity

Investments made in PLCs, controllers, field devices and instrumentation require robust, reliable and simple to configure interoperability solutions. ICONICS has been a leader for over 27 years in the area of standards-based connectivity, providing direct real-time database interfaces and communication from the shop floor to the enterprise.

- OPC & OPC UA    • SQL, ODBC, OLEDB, DB2    • SNMP
- BACnet            • Web Services            • SAP BAPI



## Industry Applications

- Automotive Manufacturing
- Chemical and Petroleum
- Machine Makers
- Pharmaceutical
- Food and Beverage
- Plastics Manufacturing
- Paper and Printing
- Textile Mills and Apparel
- Transportation Systems
- Electronics and Semiconductor

## Benefits

- Future Proof Your Investment with 64-bit Technology
- Preserve Existing Hardware Investments
- Reduce Engineering Time and Cost
- Automate Collection of Downtime Cause & Responsibility
- Web-based Project Management and Deployment
- Quality and Energy Analytic Capabilities
- Standard, Custom and Scheduled Reports

***"Real-time Visual Intelligence to Increase Production Efficiency."***





Founded in 1986, ICONICS is an award-winning independent software provider offering real-time visualization, HMI/SCADA, energy management, fault detection, manufacturing intelligence, MES, and a suite of analytics solutions for operational excellence. ICONICS solutions are installed in 70 percent of the Global 500 companies around the world, helping customers to be more profitable, agile and efficient, to improve quality, and to be more sustainable.

ICONICS is leading the way in cloud-based solutions with its HMI/SCADA, analytics, mobile and data historian to help its customers embrace the Internet of Things (IoT). ICONICS products are used in manufacturing, building automation, oil and gas, renewable energy, utilities, water and wastewater, pharmaceuticals, automotive, and many other industries. ICONICS' advanced visualization, productivity, and sustainability solutions are built on its flagship products: GENESIS64™ HMI/SCADA, Hyper Historian™ plant historian, AnalytiX® solution suite, and MobileHMI™ mobile apps. Delivering information anytime, anywhere, ICONICS' solutions scale from the smallest standalone embedded projects to the largest enterprise applications.

ICONICS promotes an international culture of innovation, creativity, and excellence in product design, development, technical support, training, sales, and consulting services for end users, systems integrators, OEMs, and channel partners. ICONICS has over 350,000 applications installed in multiple industries worldwide.



## World Headquarters

100 Foxborough Blvd.  
Foxborough, MA, USA, 02035  
☎ +1 508 543 8600  
✉ us@iconics.com



## European Headquarters

**Netherlands**  
☎ +31 252 228 588  
✉ holland@iconics.com

### Australia

☎ +61 2 9605 1333  
✉ australia@iconics.com

### Canada

☎ +1 647 544 1150  
✉ canada@iconics.com

### China

☎ +86 10 8494 2570  
✉ china@iconics.com

### Czech Republic

☎ +420 377 183 420  
✉ czech@iconics.com

### France

☎ +33 4 50 19 11 80  
✉ france@iconics.com

### Germany

☎ +49 2241 16 508 0  
✉ germany@iconics.com

### India

☎ +91 265 6700821  
✉ india@iconics.com

### Italy

☎ +39 010 46 0626  
✉ italy@iconics.com

### Middle East

☎ +966 540 881 264  
✉ middleeast@iconics.com

### Singapore

☎ +65 6667 8295  
✉ singapore@iconics.com

### UK

☎ +44 1384 246 700  
✉ uk@iconics.com

**For more, visit [www.iconics.com/manufacturing](http://www.iconics.com/manufacturing)**

© 2018 ICONICS, Inc. All rights reserved. Specifications are subject to change without notice. AnalytiX and its respective modules are registered trademarks of ICONICS, Inc. GENESIS64, GENESIS32, Hyper Historian, BizViz, PortalWorX, MobileHMI and their respective modules, OPC-to-the-Core, and Visualize Your Enterprise are trademarks of ICONICS, Inc. Other product and company names mentioned herein may be trademarks of their respective owners.

